



Adelaide Environmental Health Associates, Inc.

**COMPREHENSIVE SURVEY FOR ASBESTOS CONTAINING
MATERIALS**

PERFORMED AT:

**Building 17
Veterans Affairs Medical Center
1970 Roanoke Blvd
Salem, Virginia 24153
Adelaide Project No. VAMC: 10079.00-IN**

PREPARED FOR:

**Department of Veterans Affairs
Veterans Affairs Medical Center
1970 Roanoke Blvd
Salem, Virginia 24153**

PREPARED BY:

**Adelaide Environmental Health Associates, Inc.
1511 Route 22, Suite C24
Brewster, New York 10509**

DATED:

July 21, 2010

Submitted by:

**Stephanie A. Soter
President**

COMPREHENSIVE SURVEY FOR ASBESTOS CONTAINING MATERIALS

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1.0 BACKGROUND/PURPOSE

Adelaide Environmental Health Associates, Inc. (Adelaide) was retained by The Department of Veterans Affairs Medical Center to conduct a comprehensive asbestos containing material (ACM) survey at the VA Medical Center (VAMC) in Salem, Virginia. This survey was based on the terms and conditions of Adelaide's proposal: VA-246-10-RQ-0293, dated April 19th, 2010. The survey was performed to meet the needs of the VAMC to have a room by room inspection of each building owned and operated by the facility, so it can be determined which rooms are asbestos free and which rooms have ACM. All interior and exterior accessible spaces were inspected for the presence of friable and non-friable ACM. Inspection activities conform to the requirements of the Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) (40 CFR Part 763), OSHA, all other state, local and VA requirements. Adelaide met with Cary Schiltz, the VAMC Industrial Hygienist, and discussed building history; reviewed asbestos abatement projects and the most recent asbestos survey performed in the facility. This asbestos inspection report provided by the VAMC contained limited sample results for each building at the Salem VAMC. Adelaide was able to utilize this report to reduce the amount of redundant sampling but also to allow a thorough room by room three (3) year AHERA asbestos survey, as required by VAMC. Additional sampling was performed in areas in order to provide the VAMC with the most up to date comprehensive survey of each building on the property. The asbestos survey was performed from June 7 – 18, 2010 by Adelaide representative James Reber and Tom Ferro (certified asbestos inspectors).

2.0 EXECUTIVE SUMMARY OF INSPECTION RESULTS

Building 17 is located on the VAMC campus located at 1970 Roanoke Blvd, Salem, Virginia 24153. It is a two story structure with basement and attic, constructed of brick and built circa 1933. Following the scope of work that was provided from the VAMC, Adelaide inspected all accessible areas of Building 17. At the request of Cary Schiltz of Salem VAMC, no roof testing was conducted which could jeopardize water tightness and integrity; therefore all roofing materials are assumed asbestos containing materials until testing can prove otherwise. Adelaide collected forty-eight (48) asbestos samples from the above-mentioned areas. Based on the results of Adelaide's asbestos survey and the limited survey and sample results provided by the facility, the following building materials were found to contain asbestos and are represented in the following Table 2.0 – Summary of Asbestos Containing Materials. All materials which tested negative for asbestos can be found in the Negative Material List. Refer to Appendix A for the Tabular List of Positive Materials by Room, which assesses the condition of each ACM as found at the time of this survey.

Table 2.0 - Summary of Asbestos Containing Materials

Material	Approximate Quantity	Location of Material	Asbestos Content and Type
Samples Taken by Adelaide Environmental			
Pipe Insulation	20 LF*	Pipe Chase Rm 115 & 224 (chases contaminated with insulation debris)	Chrysotile 5%
Mudded Pipe Fitting Insulation	5 LF	Pipe Chase Rm 224	Chrysotile 65%
Floor Tile Mastic (Black) for 12x12 Cream w/Tan Mottles	137 SF	Rm 221	Chrysotile 5%
Floor Tile Mastic (Black) From Known Positive 12"x12" White Floor Tiles w/ blue/gray streaks	1506 SF(associated with tiles sampled in 2002 by ALS)	Rms 108, 108A&B, 109, 109A, 111, 112, 113, 117, 213 and 214	Chrysotile 5%
Floor Tile Mastic (Yellow w/ Small traces of black) for newer Non-ACM 12x12 White w/Gray Floor Tile	598 SF	107, 119, 120 and 215	Chrysotile 3%
12"x12" Cream w/ Red and Brown Floor Tile	1012 SF	100, 101, 104, 105A, 105, 106A and 106	Chrysotile 3%
Floor Tile Mastic Associated with 12"x12" Cream w/ Red and brown	Same quantity as above	Same rooms as above	Chrysotile 5%
Kitchen Sink Basin Coating	16 SF (4 Sinks)	100, 113, 209 and 212	Chrysotile 5%
Floor Tile Mastic (Brown) for 9"x9" Floor Tiles (Red and faded red)	1429 SF	202, 203, 204, 205, 206, 206A, 207, 207A, 209, 210 and 211	Chrysotile 2%
Exterior Window Caulk (door Caulk is Homogenous)	850 LF	All windows and exterior doors	Chrysotile 2%
Samples Taken Previously by Applied Laboratory Service (ALS) in 2002			
12"x12" White floor tiles w/ blue/gray streaks	1506 SF	Rms 108, 108A&B, 109, 109A, 111, 112, 113, 117, 213 and 214	Chrysotile 3%
Brown Mastic for Tan 9"x9" Floor Tiles	774 SF	118, 201, 219 and 225	Chrysotile 5%
Brown 9"x9" Floor Tile	182 SF	Kitchen 212	Chrysotile 5%

*Quantity observed

Based on our field observations, asbestos containing pipe insulation may be present within walls, above plaster ceilings and inside enclosed pipe chases.

Positive Homogenous Material List

The following is a list of the homogenous areas that tested positive during this inspection:

- #5 – Pipe Insulation in chase
- #6 – Pipe fitting insulation
- #7 – Floor Tile Mastic (Black) for 12"x12" Cream w/ Tan Mottles
- #8 – Floor Tile Mastic From Positive 12"x12" White w blue/gray streak tiles
- #9 – Floor Tile Mastic (yellow w/ traces of black) for newer 12"x12" white w/ gray
- #10 – 12"x12" Cream w/ Red and brown floor tiles
- #11 – Floor Tile Mastic for HA#10
- #12 – Kitchen Sink Basin Coating (Black)
- #14 & 16 – Floor Tile mastic (Brown) associated w/ red and faded red 9"x9" tiles
- #20 – Exterior Window caulk (door caulk is homogenous)
- #21 – 12"x12" White floor tile w/ blue/gray streaks
- #22 – Floor tile mastic (brown) from Tan 9"x9" Floor tiles
- #23 – Brown 9"x9" Floor Tiles

Negative Material List

The following is a list of the homogeneous areas that tested negative during this inspection:

- Brick Mortar
- Stone Mortar
- Wall and Ceiling Plasters – Top and base coats
- 1'x1' Ceiling tile and glue pucks
- 9"x9" Floor Tile Faded Red w/ cream and brown streaks
- 9"x9" Floor tile Red w/ white and brown streaks
- Paper around the border underneath 9"x9" red floor tiles
- Window Glazing Compound
- Tan 9"x9" Floor tiles
- 2'x2' Ceiling tiles
- Fiberglass pipe insulation
- HVAC Duct insulation (fiberglass)

3.0 ASBESTOS FIELD PROCEDURES AND ANALYSIS METHODOLOGY

3.1 INSPECTION

Guidelines used for the inspection were established by the U.S. Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos Containing Materials in Buildings, Office of Pesticides and Toxic Substances, DOC# 560/5-85-024 and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA). Field information was organized as per the AHERA concept of a homogeneous area (HA); that is, suspect Asbestos Containing Materials (ACM) with similar age, appearance, and texture were grouped together, sampled and assessed for condition.

For the purposes of this inspection, suspect ACM has been placed in three material categories: thermal, surfacing, and miscellaneous.

Surfacing materials are those that are sprayed on, troweled on or otherwise applied to surfaces for fireproofing, acoustical, or decorative purposes (e.g., wall and ceiling plaster).

Thermal materials are those applied to heat pipes or other structural components to prevent heat loss or gain or prevent water condensation (e.g., pipe and fitting insulation, duct insulation, boiler flue).

Miscellaneous materials are interior building materials on structural components, structural members or fixtures, such as floor and ceiling tiles, etc. and do not include surfacing material or thermal system insulation.

3.2 SAMPLING

SURFACING MATERIALS

Surfacing materials were grouped into homogeneous sampling areas. A homogeneous area contains material that is uniform in color and texture and appears identical in every other respect. Materials installed at different times belong to different sampling areas. Homogeneous areas were determined on per floor basis.

The following protocol was used for determining the number of samples to be collected:

- At least three bulk samples were collected from each homogeneous area that is 1,000 square feet or less.
- At least five bulk samples were collected from each homogeneous area that is greater than 1,000 square feet but less than or equal to 5,000 square feet.
- At least seven bulk samples were collected from each homogeneous area that is greater than 5,000 square feet.

THERMAL SYSTEM INSULATION (TSI)

The concept of homogeneous sampling areas applies equally well to thermal insulation as to surfacing material. A "typical" building may contain multiple insulated pipe runs from any combination of the following categories:

- Hot water supply and/or return
- Cold water supply
- Chilled water supply
- Steam supply and/or return
- Roof or system drain

The following protocol was used for determining the number of samples to be collected.

- Collect at least three bulk samples from each homogeneous area of thermal system insulation.
- Collect at least one bulk sample from each homogeneous area of patched thermal system insulation if the patched section is less than 6 linear or square feet.
- In a manner sufficient to determine whether the material is ACM or not ACM, collect a minimum of three bulk samples from each homogeneous insulated mechanical system tee, elbow, and valve.

Bulk samples are not collected from any homogeneous area where the certified inspector has determined that the thermal system insulation is fiberglass, foam glass, or rubber.

MISCELLANEOUS MATERIALS

Miscellaneous materials are grouped into different homogeneous areas and at least two bulk samples are collected from each homogeneous area as per the clarification letter from the EPA and the Professional Abatement Contractors of New York, Inc in November of 2007.

3.3 ANALYSIS

Adelaide utilized AmeriSci laboratory in Richmond, VA for all bulk samples collected. AmeriSci holds accreditation from the National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP). Bulk samples of suspect ACM were analyzed by Polarized Light Microscopy (PLM) with dispersion staining, as described in 40 CFR Part 763 and the National Emissions Standard for Hazardous Air Pollutants (NESHAPS). All NOB samples were analyzed by utilizing PLM methodology.

4.0 CONCLUSIONS AND RECOMMENDATIONS

This survey concluded that the materials listed in Table 2.0 – Summary of Asbestos Containing Materials, tested ***positive for the presence of***.

Asbestos: These areas must be abated prior to building demolition or renovation if they are to be disturbed.

5.0 AREAS NOT ACCESSIBLE

Adelaide Environmental Health Associates inspected and sampled materials which were visible and/or accessible to the survey team. Adelaide does not inspect physically inaccessible areas, such as between walls, above fixed ceilings, under concrete slabs, etc. This report makes no representations as to the content of these areas or materials.

All materials present in those not accessible areas shall be assumed positive until tested.

6.0 REPORT CERTIFICATIONS

Adelaide Environmental Health Associates certifies that the information contained herein is based on the physical and visual inspections conducted by Adelaide and data collected during the inspection survey.

APPENDIX A

TABULAR LIST OF POSITIVE

MATERIALS BY ROOM

APPENDIX A - TABULAR LIST OF POSITIVE MATERIALS BY ROOM

Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
100	10 & 11	12"x12" Cream w/ Red and Brown Floor Tile and associated Mastic	144 SF	Good/Defer Action/None Required
	12	Kitchen Sink Basin Coating (Black)	4 SF	Good/Defer Action/None Required
101	10 & 11	12"x12" Cream w/ Red and Brown Floor Tile and associated Mastic	135 SF	Good/Defer Action/None Required
104	10 & 11	12"x12" Cream w/ Red and Brown Floor Tile and associated Mastic	157 SF	Good/Defer Action/None Required
105A	10 & 11	12"x12" Cream w/ Red and Brown Floor Tile and associated Mastic	157 SF	Good/Defer Action/None Required
105	10 & 11	12"x12" Cream w/ Red and Brown Floor Tile and associated Mastic	135 SF	Good/Defer Action/None Required
106A	10 & 11	12"x12" Cream w/ Red and Brown Floor Tile and associated Mastic	135 SF	Good/Defer Action/None Required
106	10 & 11	12"x12" Cream w/ Red and Brown Floor Tile and associated Mastic	149 SF	Good/Defer Action/None Required
107	9	Floor Tile Mastic (yellow w/ traces of black) for newer 12"x12" white w/ gray tiles	184 SF	Good/Defer Action/None Required
108A	8 & 21	12"x12" Floor Tile white w/blue/gray streaks and associated mastic	133 SF	Good/Defer Action/None Required
108B	8 & 21	12"x12" Floor Tile white w/blue/gray streaks and associated mastic	12 Sf	Good/Defer Action/None Required
108	8 & 21	12"x12" Floor Tile white w/blue/gray streaks and associated mastic	133 SF	Good/Defer Action/None Required
109A	8 & 21	12"x12" Floor Tile white w/blue/gray streaks and associated mastic	133 SF	Good/Defer Action/None Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
109	8 & 21	12"x12" Floor Tile white w/blue/gray streaks and associated mastic	156 SF	Good/Defer Action/None Required
111	8 & 21	12"x12" Floor Tile white w/blue/gray streaks and associated mastic	162 SF	Good/Defer Action/None Required
112	8 & 21	12"x12" Floor Tile white w/blue/gray streaks and associated mastic	137 SF	Good/Defer Action/None Required
113	8 & 21	12"x12" Floor Tile white w/blue/gray streaks and associated mastic	108 SF	Good/Defer Action/None Required
	12	Kitchen Sink Basin Coating (Black)	4 SF	Good/Defer Action/None Required
117	8 & 21	12"x12" Floor Tile white w/blue/gray streaks and associated mastic	262 SF	Good/Defer Action/None Required
118	22	Brown Mastic for Tan 9"x9" Floor Tiles	168 SF	Good/Defer Action/None Required
119	9	Floor Tile Mastic (yellow w/ traces of black) for newer 12"x12" white w/ gray tiles	198 SF	Good/Defer Action/None Required
120	9	Floor Tile Mastic (yellow w/ traces of black) for newer 12"x12" white w/ gray tiles	60 SF	Good/Defer Action/None Required
202	14 & 16	Floor Tile Mastic (Brown) associated with red and faded red 9"x9" floor tiles	135 SF	Good/Defer Action/None Required
203	14 & 16	Floor Tile Mastic (Brown) associated with red and faded red 9"x9" floor tiles	157 SF	Good/Defer Action/None Required
204	14 & 16	Floor Tile Mastic (Brown) associated with red and faded red 9"x9" floor tiles	157 SF	Good/Defer Action/None Required
205	14 & 16	Floor Tile Mastic (Brown) associated with red and faded red 9"x9" floor tiles	135 SF	Good/Defer Action/None Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
206	14 & 16	Floor Tile Mastic (Brown) associated with red and faded red 9"x9" floor tiles	135 SF	Good/Defer Action/None Required
206A	14 & 16	Floor Tile Mastic (Brown) associated with red and faded red 9"x9" floor tiles	12 SF	Good/Defer Action/None Required
207	14 & 16	Floor Tile Mastic (Brown) associated with red and faded red 9"x9" floor tiles	146 SF	Good/Defer Action/None Required
207A	14 & 16	Floor Tile Mastic (Brown) associated with red and faded red 9"x9" floor tiles	12 SF	Good/Defer Action/None Required
209	14 & 16	Floor Tile Mastic (Brown) associated with red and faded red 9"x9" floor tiles	143 SF	Good/Defer Action/None Required
210	14 & 16	Floor Tile Mastic (Brown) associated with red and faded red 9"x9" floor tiles	135 SF	Good/Defer Action/None Required
211	14 & 16	Floor Tile Mastic (Brown) associated with red and faded red 9"x9" floor tiles	262 SF	Good/Defer Action/None Required
201	22	Brown Mastic for Tan 9"x9" Floor Tiles	297 SF	Good/Defer Action/None Required
212	12	Kitchen Sink Basin Coating (Black)	4 Sf	Good/Defer Action/None Required
	23	9"x9" Brown Floor Tiles	182 SF	Good/Defer Action/None Required
213	8 & 21	12"x12" Floor Tile white w/blue/gray streaks and associated mastic	135 SF	Good/Defer Action/None Required
214	8 & 21	12"x12" Floor Tile white w/blue/gray streaks and associated mastic	135 SF	Good/Defer Action/None Required
215	9	Floor Tile Mastic (yellow w/ traces of black) for newer 12"x12" white w/ gray tiles	156 SF	Good/Defer Action/None Required

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Space #	Homogenous Area	Material Description	Quantity	Condition Response Action
219	22	Brown Mastic for Tan 9"x9" Floor Tiles	126 SF	Good/Defer Action/None Required
220	22	Brown Mastic for Tan 9"x9" Floor Tiles	162 SF	Good/Defer Action/None Required
221	7	Floor Tile Mastic (Black) for 12"x12" Cream w/ Tan Mottles	137 SF	Good/Defer Action/None Required
225	22	Brown Mastic for Tan 9"x9" Floor Tiles	183 SF	Good/Defer Action/None Required
224	5 & 6	Pipe and Fitting Insulation inside Chase	20 LF	Damage/Remove/ Required
115	5 & 6	Pipe and Fitting Insulation inside Chase	5 LF	Damage/Remove/ Required
Exterior	20	Door and Window Caulk	480 LF	Good/Defer Action/None Required

APPENDIX B

ASBESTOS REPORT FORM



1511 Route 22, Suite C24, Brewster, NY 10509 Tel:845.278.7710 Fax: 845.278.7750 www.adelaidellc.com

ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 17
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010

DATE COMPLETED: 6/17/2010

DATE REPORTED: 6/24/2010

TOTAL SAMPLE COUNT: 48

SAMPLE COLLECTOR(S): James Reber, Tom Ferro

SERVICES PROVIDED Asbestos Bulk Sampling

PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061659-01	1	Floor 2 - Apt D Corridor - ceiling plaster - top coat	Surf.	F	1		NAD		D
/110061659-02	2	Floor 2 - Apt D Corridor - ceiling plaster - top coat	Surf.	F	1		NAD		D
/110061659-03	3	Floor 2 - Apt D Corridor - ceiling plaster - top coat	Surf.	F	1		NAD		D
/110061659-04	4	Floor 2 - Apt D Corridor - ceiling plaster - top coat	Surf.	F	1		NAD		D
/110061659-05	5	Floor 2 - Apt D Corridor - ceiling plaster - top coat	Surf.	F	1		NAD		D

Misc. - Miscellaneous

Surf. - Surfacing

TSI - Thermal System Insulation

NF - Non-Friable

F - Friable

NA - Not Analyzed by Method

NA/PS - Not Analyzed, Positive Stop

NAD - No Asbestos Detected

Trace/NAD - Non-Asbestos by Definition

SD - Significantly Damaged

D - Damaged

G - Good

UK - Unknown

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/110061659-06	6	Floor 2 - Apt D Corridor - ceiling plaster - Base coat	Surf.	F	2		NAD		D
/110061659-07	7	Floor 2 - Apt D Corridor - ceiling plaster - Base coat	Surf.	F	2		NAD		D
/110061659-08	8	Floor 2 - Apt D Corridor - ceiling plaster - Base coat	Surf.	F	2		NAD		D
/110061659-09	9	Floor 2 - Apt D Corridor - ceiling plaster - Base coat	Surf.	F	2		NAD		D
/110061659-10	10	Floor 2 - Apt D Corridor - ceiling plaster - Base coat	Surf.	F	2		NAD		D
/110061659-11	11	Floor 2 - Center Stairwell - 1'x1' ceiling tile	Misc.	F	3		NAD		D
/110061659-12	12	Floor 2 - Center Stairwell - 1'x1' ceiling tile	Misc.	F	3		NAD		D

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/110061659-13	13	Floor 2 - Center Stairwell - 1'x1' ceiling tile - glue puck	Misc.	NF	4		NAD		G
/110061659-14	14	Floor 2 - Center Stairwell - 1'x1' ceiling tile - glue puck	Misc.	NF	4		NAD		G
/110061659-15	15	Floor 2 - Rm 224 - pipe chase - pipe insulation	TSI	F	5		5% Chrysotile		D
/110061659-16	16	Floor 2 - Rm 224 - pipe chase - pipe insulation	TSI	F	5		NA/PS		D
/110061659-17	17	Floor 2 - Rm 224 - pipe chase - pipe insulation	TSI	F	5		NA/PS		D
/110061659-18	18	Floor 2 - Rm 224 - pipe chase - mudded pipe fitting insulation	TSI	F	6		65% Chrysotile		D
/110061659-19	19	Floor 2 - Rm 224 - pipe chase - mudded pipe fitting insulation	TSI	F	6		NA/PS		D

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/110061659-20	20	Floor 2 - Rm 224 - pipe chase - mudded pipe fitting insulation	TSI	F	6		NA/PS		D
/110061659-21	21	Floor 2 - Apt D - Rm 221 - Floor tile mastic (black) for 12x12 cream w/ tan mottles floor tile	Misc.	NF	7		5% Chrysotile		G
/110061659-22	22	Floor 2 - Apt D - Rm 213 - Floor tile mastic (black) from know positive white floor tiles	Misc.	NF	8		5% Chrysotile		G
/110061659-23	23	Floor 2 - Apt D - Rm 213 - Floor tile mastic (yellow w/ small traces of black) for newer non- acm 12x12 white w/ gray floor tiles	Misc.	NF	9		NAD		G

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/110061659-24	24	Floor 1 - Apt A - Rm 120 - Floor tile mastic (yellow w/ small traces of black) for newer non- acm 12x12 white w/ gray floor tiles	Misc.	NF	9		3% Chrysotile		G
/110061659-25	25	Floor 1 - Apt A - Rm 101 - 12"x12" cream w/ red and brown floor tile	Misc.	NF	10		3% Chrysotile		G
/110061659-26	26	Floor 1 - Apt A - Rm 101 - 12"x12" cream w/ red and brown floor tile	Misc.	NF	10		NA/PS		G
/110061659-27	27	Floor 1 - Apt A - Rm 101 - floor tile mastic associated with HA #10	Misc.	NF	11		5% Chrysotile		G
/110061659-28	28	Floor 1 - Apt A - Rm 101 - floor tile mastic associated with HA #10	Misc.	NF	11		NA/PS		G

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/110061659-29	29	Floor 2 - Apt C - Kitchen - sink basin coating (black)	Misc.	NF	12		5% Chrysotile		G
/110061659-30	30	Floor 2 - Apt C - Kitchen - sink basin coating (black)	Misc.	NF	12		NA/PS		G
/110061659-31	31	Floor 2 - Apt C - Rm 203 - 9"x9" faded red w/ cream and brown floor tile	Misc.	NF	13		NAD		G
/110061659-32	32	Floor 2 - Apt C - Rm 205 - 9"x9" faded red w/ cream and brown floor tile	Misc.	NF	13		NAD		G
/110061659-33	33	Floor 2 - Apt C - Rm 203 - floor tile mastic (brown) associated w/ HA #13	Misc.	NF	14		2% Chrysotile		G
/110061659-34	34	Floor 2 - Apt C - Rm 205 - floor tile mastic (brown) associated w/ HA #13	Misc.	NF	14		NA/PS		G

Misc. - Miscellaneous

Surf. - Surfacing

TSI - Thermal System Insulation

NF - Non-Friable

F - Friable

NA - Not Analyzed by Method

NA/PS - Not Analyzed, Positive Stop

NAD - No Asbestos Detected

Trace/NAD - Non-Asbestos by Definition

SD - Significantly Damaged

D - Damaged

G - Good

UK - Unknown

ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 17
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010

DATE COMPLETED: 6/17/2010

DATE REPORTED: 6/24/2010

TOTAL SAMPLE COUNT: 48

SAMPLE COLLECTOR(S): James Reber, Tom Ferro

SERVICES PROVIDED

Asbestos Bulk Sampling

PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061659-35	35	Floor 2 - Apt C - Rm 206 - 9"x9" red w/ white and brown floor tile	Misc.	NF	15		NAD		G
/110061659-36	36	Floor 2 - Apt C - Corridor 211 - 9"x9" red w/ white and brown floor tile	Misc.	NF	15		NAD		G
/110061659-37	37	Floor 2 - Apt C - Rm 206 - Floor tile mastic associated w/ HA	Misc.	NF	16		2% Chrysotile		G
/110061659-38	38	Floor 2 - Apt C - Corridor 211 - Floor tile mastic associated w/ HA #15	Misc.	NF	16		NA/PS		G
/110061659-39	39	Floor 2 - Apt C - Rm 206 - paper under red 9x9 tiles around the border	Misc.	F	17		NAD		G

Misc. - Miscellaneous

Surf. - Surfacing

TSI - Thermal System Insulation

NF - Non-Friable

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NA/PS - Not Analyzed, Positive Stop

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ASBESTOS REPORT FORM

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TOTAL SAMPLE COUNT: 48
SAMPLE COLLECTOR(S): James Reber, Tom Ferro

SERVICES PROVIDED Asbestos Bulk Sampling

PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061659-40	40	Floor 2 - Apt C - Rm 206 - paper under red 9x9 tiles around the border	Misc.	F	17		NAD		G
/110061659-41	41	Floor G - Exterior - brick mortar	Misc.	F	18		NAD		G
/110061659-42	42	Floor G - Exterior - Brick mortar	Misc.	F	18		NAD		G
/110061659-43	43	Floor G - Exterior - Stone mortar	Misc.	F	19		NAD		G
/110061659-44	44	Floor G - Exterior - Stone mortar	Misc.	F	19		NAD		G
/110061659-45	45	Floor G - Exterior - Window caulk	Misc.	NF	20		2% Chrysotile		G

Misc. - Miscellaneous
Surf. - Surfacing
TSI - Thermal System Insulation
NF - Non-Friable
F - Friable

NA - Not Analyzed by Method
NA/PS - Not Analyzed, Positive Stop
NAD - No Asbestos Detected
Trace/NAD - Non-Asbestos by Definition
SD - Significantly Damaged
D - Damaged
G - Good
UK - Unknown

ASBESTOS REPORT FORM

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 17
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010

DATE COMPLETED: 6/17/2010

DATE REPORTED: 6/24/2010

TOTAL SAMPLE COUNT: 48

SAMPLE COLLECTOR(S): James Reber, Tom Ferro

SERVICES PROVIDED Asbestos Bulk Sampling

PESHOGS NO. / LAB ID NO.	ID	Sample Location, Coordinates Description and Other Comments	Material Type	Friable/ NonFriable	Homogenous ID	TEM %	PLM %	Quantity	Assess Cat.
/110061659-46	46	Floor G - Exterior - Window caulk	Misc.	NF	20		NA/PS		G
/110061659-47	47	Floor G - Exterior - Window glazing compound	Misc.	NF	21		NAD		G
/110061659-48	48	Floor G - Exterior - Window glazing compound	Misc.	NF	21		NAD		G

Misc. - Miscellaneous

Surf. - Surfacing

TSI - Thermal System Insulation

NF - Non-Friable

F - Friable

NA - Not Analyzed by Method

NA/PS - Not Analyzed, Positive Stop

NAD - No Asbestos Detected

Trace/NAD - Non-Asbestos by Definition

SD - Significantly Damaged

D - Damaged

G - Good

UK - Unknown

APPENDIX C

ASBESTOS ANALYTICAL RESULTS

AND CHAIN OF CUSTODY FORM

**AmeriSci Richmond**

13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Adelaide Environmental Health
Attn: John Soter
1454 Rte. 22 Suite B202
Brewster, NY 10509

Date Received 06/22/10 **AmeriSci Job #** 110061659
Date Examined 06/24/10 **P.O. #**
Page 1 **of** 9
RE: VAMC:10079.00-IN; Salem VA Medical Center; Building 17;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1 1 Location: Apt D Corridor - Ceiling Plaster - Top Coat Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %	110061659-01	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
2 1 Location: Apt D Corridor - Ceiling Plaster - Top Coat Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %	110061659-02	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
3 1 Location: Apt D Corridor - Ceiling Plaster - Top Coat Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %	110061659-03	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
4 1 Location: Apt D Corridor - Ceiling Plaster - Top Coat Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %	110061659-04	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
5 1 Location: Apt D Corridor - Ceiling Plaster - Top Coat Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %	110061659-05	No	NAD (by CVES) by J. Samuel Baird on 06/24/10

See Reporting notes on last page

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 17;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
6 2	110061659-06 Location: Apt D Corridor - Ceiling Plaster - Base Coat	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Other Material: Animal hair 5 %, Non-fibrous 95 %			
7 2	110061659-07 Location: Apt D Corridor - Ceiling Plaster - Base Coat	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Wall Plaster Asbestos Types: Other Material: Animal hair 5 %, Non-fibrous 95 %			
8 2	110061659-08 Location: Apt D Corridor - Ceiling Plaster - Base Coat	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Wall Plaster Asbestos Types: Other Material: Animal hair 5 %, Cellulose 5 %, Non-fibrous 90 %			
9 2	110061659-09 Location: Apt D Corridor - Ceiling Plaster - Base Coat	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) Asbestos Types: Other Material: Animal hair 5 %, Non-fibrous 95 %			
10 2	110061659-10 Location: Apt D Corridor - Ceiling Plaster - Base Coat	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Other Material: Animal hair 5 %, Cellulose 5 %, Non-fibrous 90 %			
11 3	110061659-11 Location: Center Stairwell - 1'x1' Ceiling Tile	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: White/Lt.Grey, Heterogeneous, Fibrous, Ceiling Tile Asbestos Types: Other Material: Cellulose 45 %, Fibrous glass 25 %, Non-fibrous 20 %, Perlite 10 %			

See Reporting notes on last page

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 17;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
12 3	110061659-12 Location: Center Stairwell - 1'x1' Ceiling Tile	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: White/Lt.Grey, Heterogeneous, Fibrous, Ceiling Tile Asbestos Types: Other Material: Cellulose 45 %, Fibrous glass 25 %, Non-fibrous 20 %, Perlite 10 %			
13 4	110061659-13 Location: Center Stairwell - 1'x1' Ceiling Tile - Glue Puck	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Glue Asbestos Types: Other Material: Non-fibrous 100 %			
14 4	110061659-14 Location: Center Stairwell - 1'x1' Ceiling Tile - Glue Puck	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Glue Asbestos Types: Other Material: Non-fibrous 100 %			
15 5	110061659-15 Location: Rm 224 - Pipe Chase - Pipe Insulation	Yes	5 % (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Gray, Heterogeneous, Fibrous, Pipe Insulation Asbestos Types: Chrysotile 5.0 % Other Material: Cellulose 85 %, Non-fibrous 10 %			
16 5	110061659-16 Location: Rm 224 - Pipe Chase - Pipe Insulation		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
17 5	110061659-17 Location: Rm 224 - Pipe Chase - Pipe Insulation		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos Report

VAMC:10079.00-IN; Salem VA Medical Center; Building 17;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
18 6	110061659-18 Location: Rm 224 - Pipe Chase - Mudded Pipe Fitting Insulation	Yes	65 % (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Gray, Heterogeneous, Fibrous, Pipe Insulation Asbestos Types: Chrysotile 65.0 % Other Material: Non-fibrous 35 %			
19 6	110061659-19 Location: Rm 224 - Pipe Chase - Mudded Pipe Fitting Insulation		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
20 6	110061659-20 Location: Rm 224 - Pipe Chase - Mudded Pipe Fitting Insulation		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
21 7	110061659-21 Location: Apt D - Rm 221 - Floor Tile Mastic (Black) For 12x12 Cream w/Tan Mottles Floor Tiles	Yes	5 % (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Chrysotile 5.0 % Other Material: Non-fibrous 95 %			
22 8	110061659-22 Location: Apt D - Rm 213 - Floor Tile Mastic (Black) From Know Positive White Floor Tiles	Yes	5 % (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Chrysotile 5.0 % Other Material: Non-fibrous 95 %			
23 9	110061659-23 Location: Apt D - Rm 213 - Floor Tile Mastic (Yellow w/Small Traces of Black) For Newer Non-ACM 12x12 White w/Gray Floor Tiles	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Yellow/Black, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 %			

See Reporting notes on last page

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 17;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
24 9	110061659-24 Location: Apt A - Rm 120 - Floor Tile Mastic (Yellow w/Small Traces of Black) For Newer Non-ACM 12x12 White w/Gray Floor Tiles	Yes	3 % (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Yellow/Black, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Chrysotile 3.0 % Other Material: Non-fibrous 97 %			
25 10	110061659-25 Location: Apt A - Rm 101 - 12"x12" Cream w/Red and Brown Floor Tile	Yes	3 % (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Cream/Red, Heterogeneous, Non-Fibrous, Floor Tile Asbestos Types: Chrysotile 3.0 % Other Material: Non-fibrous 97 %			
26 10	110061659-26 Location: Apt A - Rm 101 - 12"x12" Cream w/Red and Brown Floor Tile		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
27 11	110061659-27 Location: Apt A - Rm 101 - Floor Tile Mastic Associated With HA #10	Yes	5 % (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Chrysotile 5.0 % Other Material: Non-fibrous 95 %			
28 11	110061659-28 Location: Apt A - Rm 101 - Floor Tile Mastic Associated With HA #10		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
29 12	110061659-29 Location: Apt C - Kitchen - Sink Basin Coating (Black)	Yes	5 % (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Black, Heterogeneous, Non-Fibrous, Undercoating Asbestos Types: Chrysotile 5.0 % Other Material: Non-fibrous 95 %			

See Reporting notes on last page

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 17;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
30 12	110061659-30 Location: Apt C - Kitchen - Sink Basin Coating (Black)		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
31 13	110061659-31 Location: Apt C - Rm 203 - 9"x9" Faded Red w/Cream and Brown Floor Tile	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Red/Brown, Heterogeneous, Non-Fibrous, Floor Tile Asbestos Types: Other Material: Non-fibrous 100 %			
32 13	110061659-32 Location: Apt C - Rm 205 - 9"x9" Faded Red w/Cream and Brown Floor Tile	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Red/Brown, Heterogeneous, Non-Fibrous, Floor Tile Asbestos Types: Other Material: Non-fibrous 100 %			
33 14	110061659-33 Location: Apt C - Rm 203 - Floor Tile Mastic (Brown) Associated w/HA #13	Yes	2 % (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Chrysotile 2.0 % Other Material: Non-fibrous 98 %			
34 14	110061659-34 Location: Apt C - Rm 205 - Floor Tile Mastic (Brown) Associated w/HA #13		NA/PS
Analyst Description: Mastic Asbestos Types: Other Material:			
35 15	110061659-35 Location: Apt C - Rm 206 - 9"x9" Red w/White and Brown Floor Tile	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Red/White, Heterogeneous, Non-Fibrous, Floor Tile Asbestos Types: Other Material: Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 17;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
36 15	110061659-36 Location: Apt C - Corridor 211 - 9"x9" Red w/White and Brown Floor Tile	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Red/White, Heterogeneous, Non-Fibrous, Floor Tile Asbestos Types: Other Material: Non-fibrous 100 %			
37 16	110061659-37 Location: Apt C - Rm 206 - Floor Tile Mastic Associated w/HA #15	Yes	2 % (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Chrysotile 2.0 % Other Material: Non-fibrous 98 %			
38 16	110061659-38 Location: Apt C - Corridor 211 - Floor Tile Mastic Associated w/HA #15		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
39 17	110061659-39 Location: Apt C - Rm 206 - Paper Under Red 9x9 Tiles Around The Border	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 %			
40 17	110061659-40 Location: Apt C - Rm 206 - Paper Under Red 9x9 Tiles Around The Border	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 %			
41 18	110061659-41 Location: Exterior - Brick Mortar	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar Asbestos Types: Other Material: Non-fibrous 100 %			

See Reporting notes on last page

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 17;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
42 18	110061659-42 Location: Exterior - Brick Mortar	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar Asbestos Types: Other Material: Non-fibrous 100 %			
43 19	110061659-43 Location: Exterior - Stone Mortar	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar Asbestos Types: Other Material: Cellulose 5 %, Non-fibrous 95 %			
44 19	110061659-44 Location: Exterior - Stone Mortar	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Mortar Asbestos Types: Other Material: Cellulose 5 %, Non-fibrous 95 %			
45 20	110061659-45 Location: Exterior - Window Caulk	Yes	2 % (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Caulk Asbestos Types: Chrysotile 2.0 % Other Material: Non-fibrous 98 %			
46 20	110061659-46 Location: Exterior - Window Caulk		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
47 21	110061659-47 Location: Exterior - Window Glazing Compound	No	NAD (by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Window Glazing Asbestos Types: Other Material: Non-fibrous 100 %			

Client Name: Adelaide Environmental Health

PLM Bulk Asbestos ReportVAMC:10079.00-IN; Salem VA Medical Center; Building 17;
1970 Roanoke Blvd, Salem, Virginia 24153

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
48	110061659-48	No	NAD
21	Location: Exterior - Window Glazing Compound		(by CVES) by J. Samuel Baird on 06/24/10
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Window Glazing			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Reporting Notes:

Analyzed by: J. Samuel Baird

Date

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____



Adelaide
ENVIRONMENTAL HEALTH ASSOCIATES, INC.

1511 Route 22, Suite C24, Brewster, NY 10509 Tel: 845.278.7710 Fax: 845.278.7750 www.adelaidellc.com

110061659

Chain of Custody

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 17
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/17/2010
DATE REPORTED:
TOTAL SAMPLE COUNT: 48
SAMPLE COLLECTOR(S): James Reber and Tom Ferro

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
1	2	1	Apt D Corridor - ceiling plaster - top coat		F	D
2	2	1	Apt D Corridor - ceiling plaster - top coat		F	D
3	2	1	Apt D Corridor - ceiling plaster - top coat		F	D
4	2	1	Apt D Corridor - ceiling plaster - top coat		F	D
5	2	1	Apt D Corridor - ceiling plaster - top coat		F	D
6	2	2	Apt D Corridor - ceiling plaster - Base coat		F	D
7	2	2	Apt D Corridor - ceiling plaster - Base coat		F	D

SD - Significantly Damaged | D - Damaged | G - Good | UK - Unknown

Page 1 of 6

Special Instructions/ Turnaround Time:

Analyze all samples by PLM only

Stop at 1st Positive per Homogenous Area

Fax Results to 845-278-7750

E-Mail Results to AdelaideLabResults@adelaidellc.com

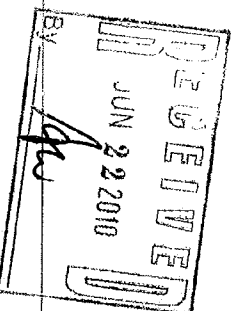
72 hr TAT

Relinquished by:

Received by:

Relinquished by:

Received by:



Chain of Custody

110061659

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 17
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TOTAL SAMPLE COUNT: 48
SAMPLE COLLECTOR(S): James Reber and Tom Ferro

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
8	2	2	Apt D Corridor - ceiling plaster - Base coat		F	D
9	2	2	Apt D Corridor - ceiling plaster - Base coat		F	D
10	2	2	Apt D Corridor - ceiling plaster - Base coat		F	D
11	2	3	Center Stairwell - 1'x1' ceiling tile		F	D
12	2	3	Center Stairwell - 1'x1' ceiling tile		F	D
13	2	4	Center Stairwell - 1'x1' ceiling tile - glue puck		NF	G
14	2	4	Center Stairwell - 1'x1' ceiling tile - glue puck		NF	G
15	2	5	Rm 224 - pipe chase - pipe insulation		F	D
16	2	5	Rm 224 - pipe chase - pipe insulation		F	D
17	2	5	Rm 224 - pipe chase - pipe insulation		F	D

SD - Significantly Damaged | D - Damaged | G - Good | UK - Unknown

Page 2 of 6

Special Instructions/ Turnaround Time:

Analyze all samples by PLM only

Stop at 1st Positive per Homogenous Area

Fax Results to 845-278-7750

E-Mail Results to AdelaidelabResults@adelaidelc.com

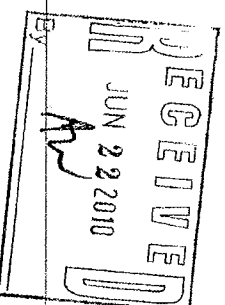
72 hr TAT

Relinquished by:

Received by:

Relinquished by:

Received by:



110061659

Chain of Custody

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 17
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/17/2010
DATE REPORTED:
TOTAL SAMPLE COUNT: 48
SAMPLE COLLECTOR(S): James Reber and Tom Ferro

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
18	2	6	Rm 224 - pipe chase - mudded pipe fitting insulation	F		D
19	2	6	Rm 224 - pipe chase - mudded pipe fitting insulation	F		D
20	2	6	Rm 224 - pipe chase - mudded pipe fitting insulation	F		D
21	2	7	Apt D - Rm 221 - Floor tile mastic (black) for 12x12 cream w/ tan mottles floor tile	NF		G
22	2	8	Apt D - Rm 213 - Floor tile mastic (black) from know positive white floor tiles	NF		G
23	2	9	Apt D - Rm 213 - Floor tile mastic (yellow w/ small traces of black) for newer non-acm 12x12 white w/ gray floor tiles	NF		G
24	1	9	Apt A - Rm 120 - Floor tile mastic (yellow w/ small traces of black) for newer non-acm 12x12 white w/ gray floor tiles	NF		G
25	1	10	Apt A - Rm 101 - 12"x12" cream w/ red and brown floor tile	NF		G

SD - Significantly Damaged | D - Damaged | G - Good | UK - Unknown

Special Instructions/ Turnaround Time:

Analyze all samples by PLM only

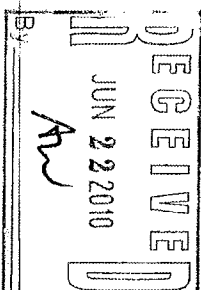
Stop at 1st Positive per Homogenous Area
Fax Results to 845-278-7750
E-Mail Results to AdelaidelabResults@adelaidelc.com
72 hr TAT

Relinquished by:

Received by:

Relinquished by:

Received by:



Chain of Custody

110061659

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 17
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/17/2010
DATE REPORTED:
TOTAL SAMPLE COUNT: 48
SAMPLE COLLECTOR(S): James Reber and Tom Ferro

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Condition	
					Friable NonFriable	SD, D, G, UK
26	1	10	Apt A - Rm 101 - 12"x12" cream w/ red and brown floor tile	NF	G	
27	1	11	Apt A - Rm 101 - floor tile mastic associated with HA #10	NF	G	
28	1	11	Apt A - Rm 101 - floor tile mastic associated with HA #10	NF	G	
29	2	12	Apt C - Kitchen - sink basin coating (black)	NF	G	
30	2	12	Apt C - Kitchen - sink basin coating (black)	NF	G	
31	2	13	Apt C - Rm 203 - 9"x9" faded red w/ cream and brown floor tile	NF	G	
32	2	13	Apt C - Rm 205 - 9"x9" faded red w/ cream and brown floor tile	NF	G	
33	2	14	Apt C - Rm 203 - floor tile mastic (brown) associated w/ HA #13	NF	G	
34	2	14	Apt C - Rm 205 - floor tile mastic (brown) associated w/ HA #13	NF	G	
35	2	15	Apt C - Rm 206 - 9"x9" red w/ white and brown floor tile	NF	G	

SD - Significantly Damaged | D - Damaged | G - Good | UK - Unknown

Page 4 of 6

Special Instructions/ Turnaround Time:

Relinquished by:

Received by:

Relinquished by:

Received by:

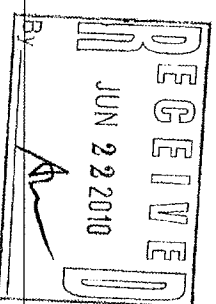
Analyze all samples by PLM only

Stop at 1st Positive per Homogenous Area

Fax Results to 845-278-7750

72 hr TAT

E-Mail Results to AdelaideLabResults@adelaidellc.com



Chain of Custody

110061659

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 17
1970 Roanoke Blvd
Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/17/2010
DATE REPORTED:
TOTAL SAMPLE COUNT: 48
SAMPLE COLLECTOR(S): James Reber and Tom Ferro

~~110061659~~

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable Nonfriable	Condition SD, D, G, UK:
36	2	15	Apt C - Corridor 211 - 9"x9" red w/ white and brown floor tile		NF	G
37	2	16	Apt C - Rm 206 - Floor tile mastic associated w/ HA #15		NF	G
38	2	16	Apt C - Corridor 211 - Floor tile mastic associated w/ HA #15		NF	G
39	2	17	Apt C - Rm 206 - paper under red 9x9 tiles around the border		F	G
40	2	17	Apt C - Rm 206 - paper under red 9x9 tiles around the border		F	G
41	G	18	Exterior - brick mortar		F	G
42	G	18	Exterior - Brick mortar		F	G
43	G	19	Exterior - Stone mortar		F	G
44	G	19	Exterior - Stone mortar		F	G
45	G	20	Exterior - Window caulk		NF	G

SD - Significantly Damaged | D - Damaged | G - Good | UK - Unknown

Page 5 of 6

Special Instructions/ Turnaround Time:

Analyze all samples by PLM only

Stop at 1st Positive per Homogenous Area

Fax Results to 845-278-7750

72 hr TAT

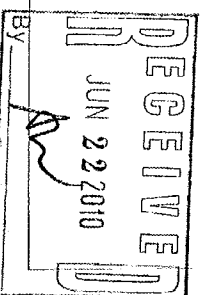
E-Mail Results to AdelaideLabResults@adelaideilc.com

Relinquished by:

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Relinquished by:

Received by:



Chain of Custody

110061659

PROJECT NUMBER: VAMC:10079.00-IN

PROJECT LOCATION: Salem VA Medical Center - Building 17
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Salem, Virginia 24153

DATE RECEIVED: 6/7/2010
DATE COMPLETED: 6/17/2010
DATE REPORTED:
TOTAL SAMPLE COUNT: 48
SAMPLE COLLECTOR(S): James Reber and Tom Ferro

Sample ID#	Floor Level	Homogenous Area	Sample Location/Description	Quantity (in feet)	Friable NonFriable	Condition SD, D, G, UK:
46	G	20	Exterior - Window caulk		NF	G
47	G	21	Exterior - Window glazing compound		NF	G
48	G	21	Exterior - Window glazing compound		NF	G

SD - Significantly Damaged | D - Damaged | G - Good | UK - Unknown

Special Instructions/ Turnaround Time:

Analyze all samples by PLM only

Stop at 1st Positive per Homogenous Area

Fax Results to 845-278-7750

E-Mail Results to AdelaideLabResults@adelaidelc.com

72 hr TAT

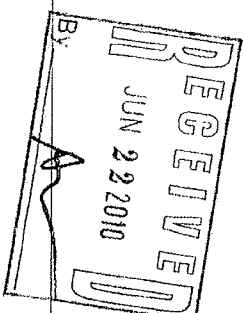
Page 6 of 6

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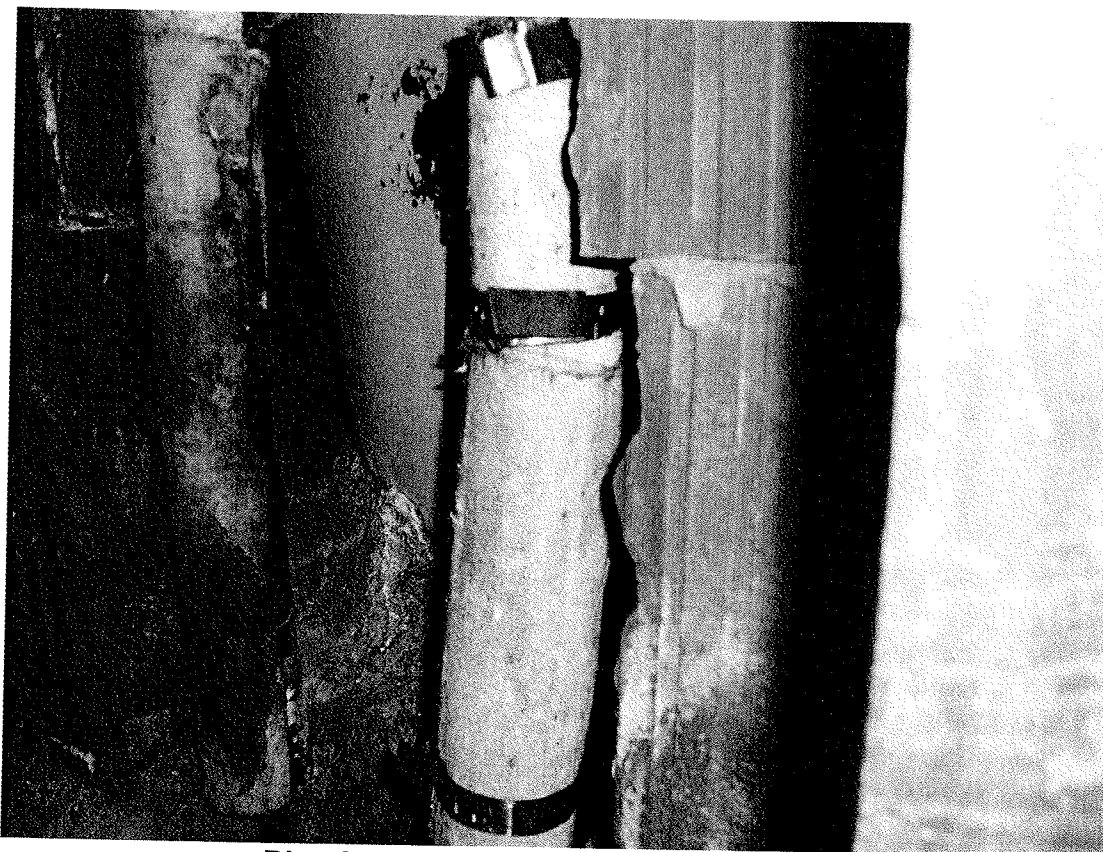
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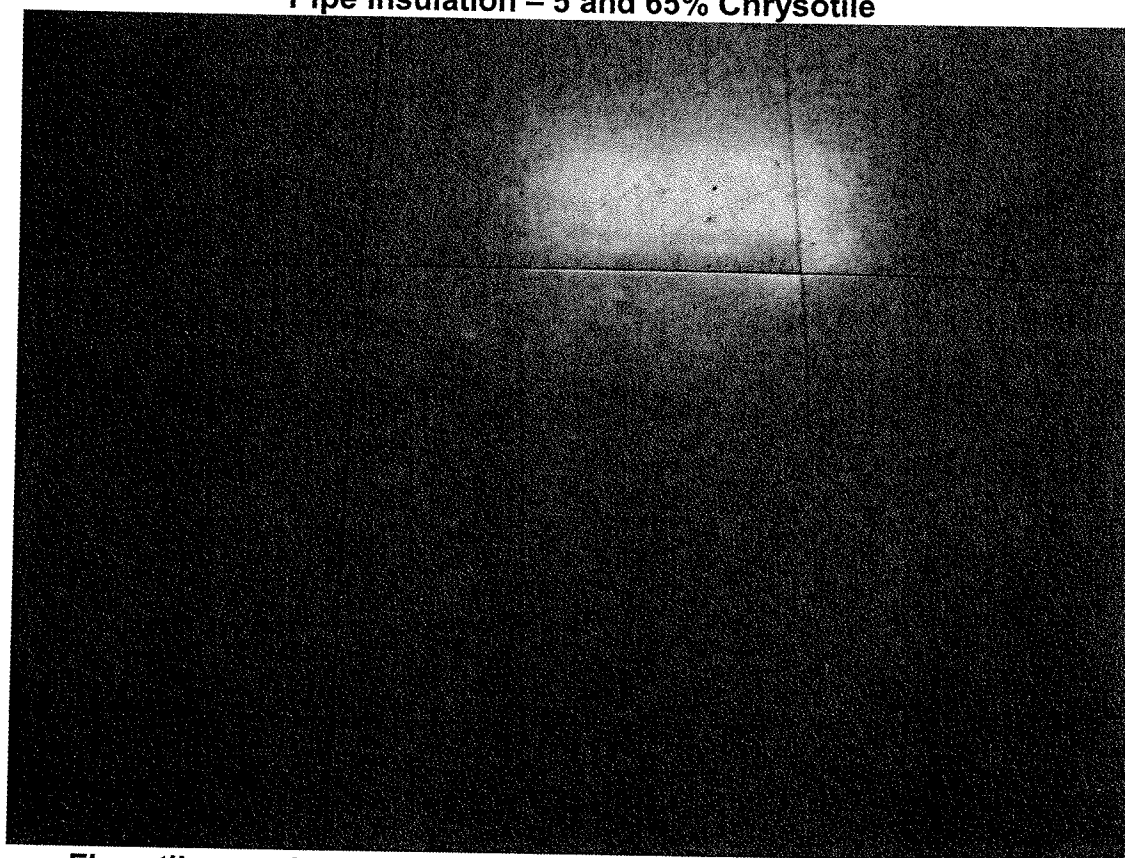
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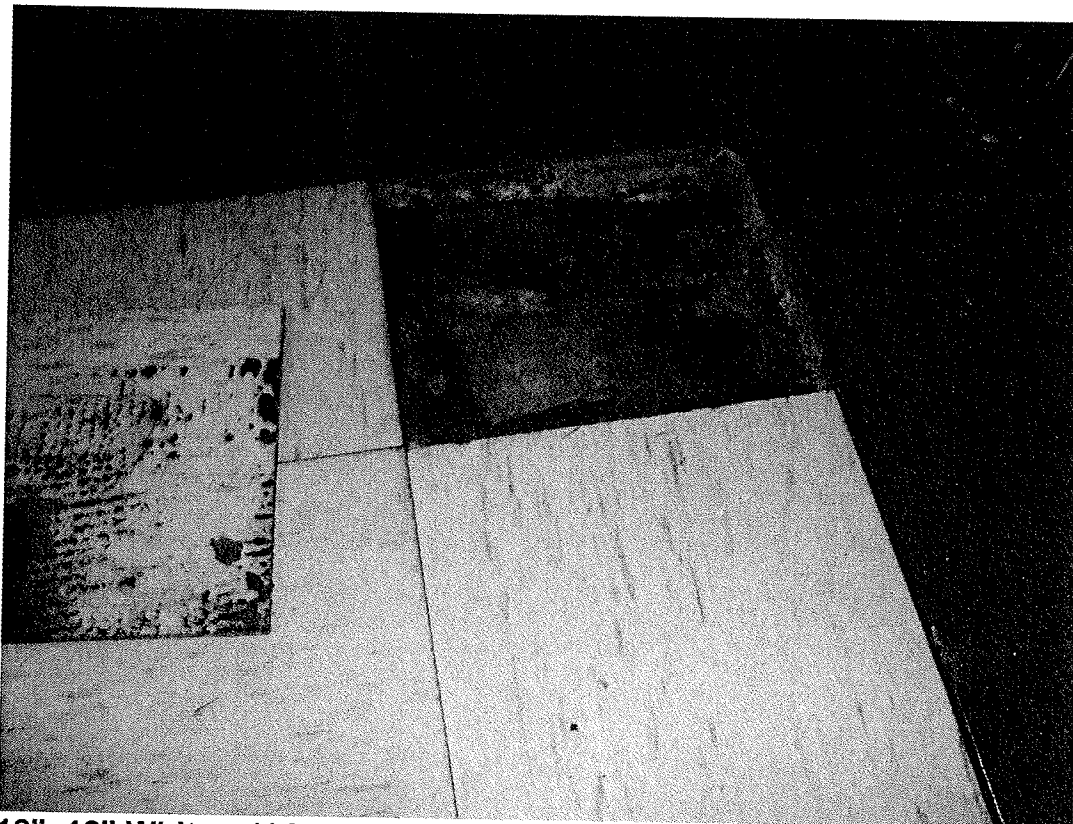
APPENDIX D
SAMPLE LOCATION MAP
AND PHOTOS



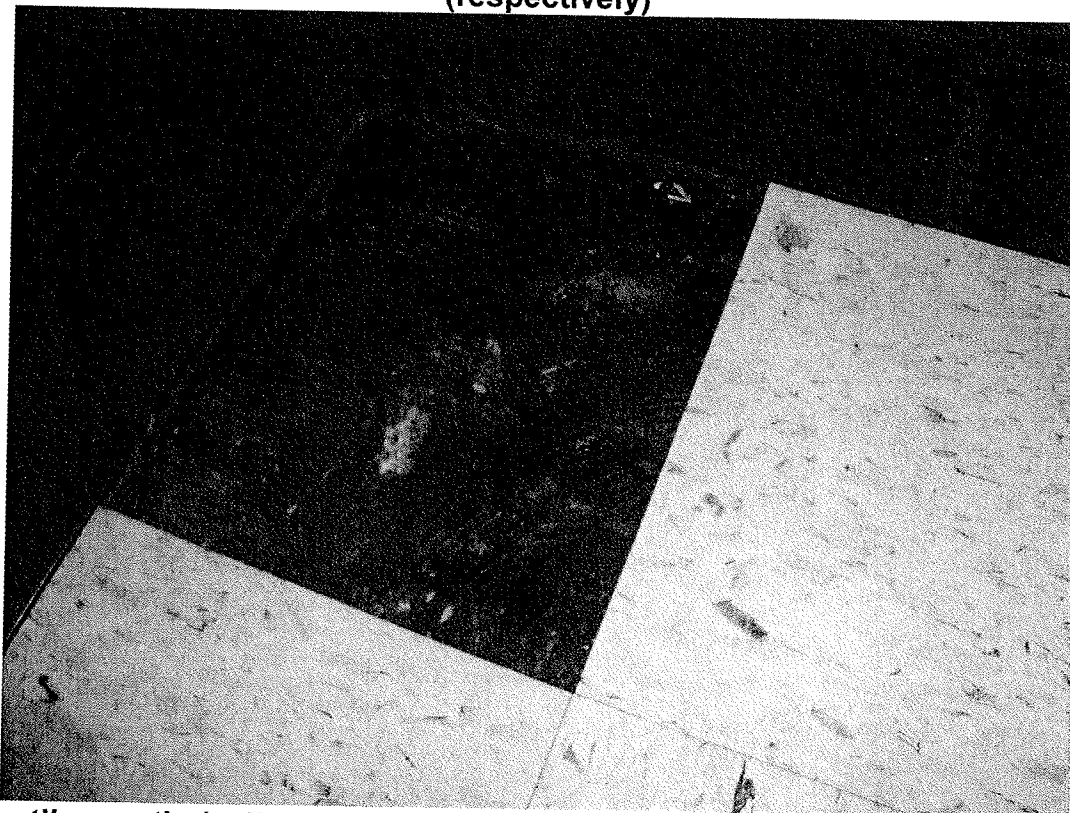
Pipe Insulation – 5 and 65% Chrysotile



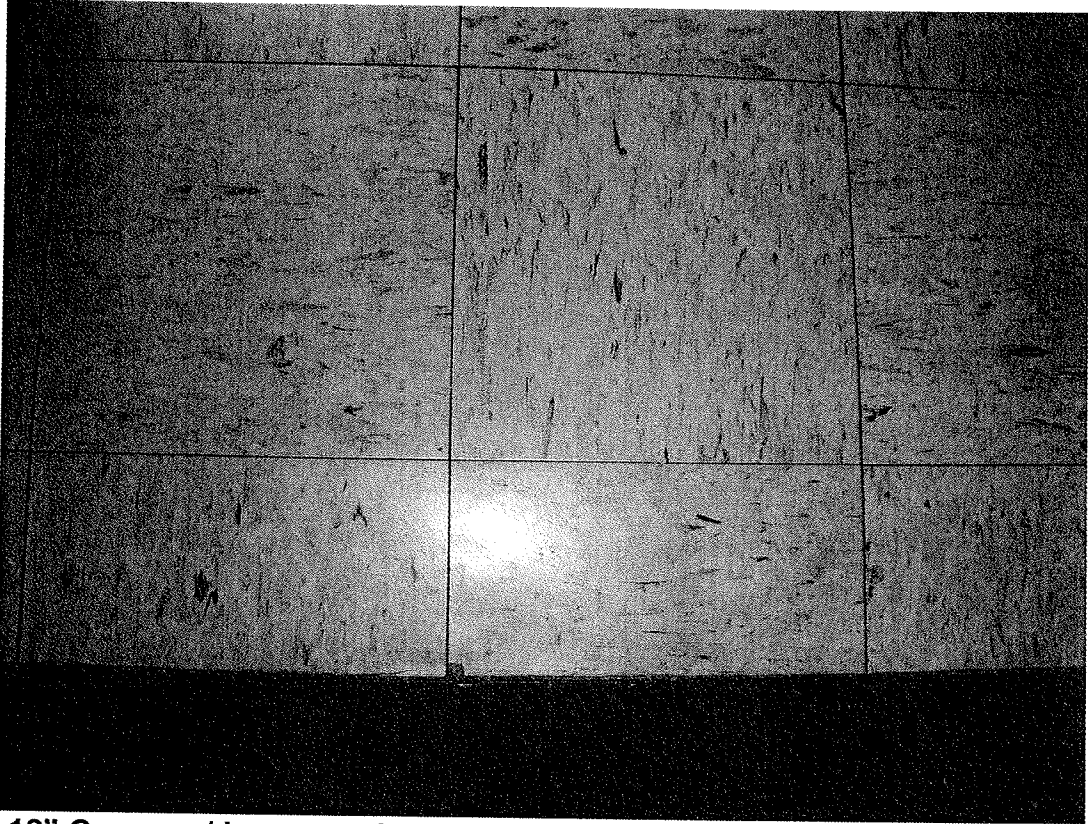
Floor tile mastic for 12"x12" white w/ tan mottles – 5% Chrysotile



**12"x12" White w/ blue/gray streaks and mastic – 3% and 5% Chrysotile
(respectively)**



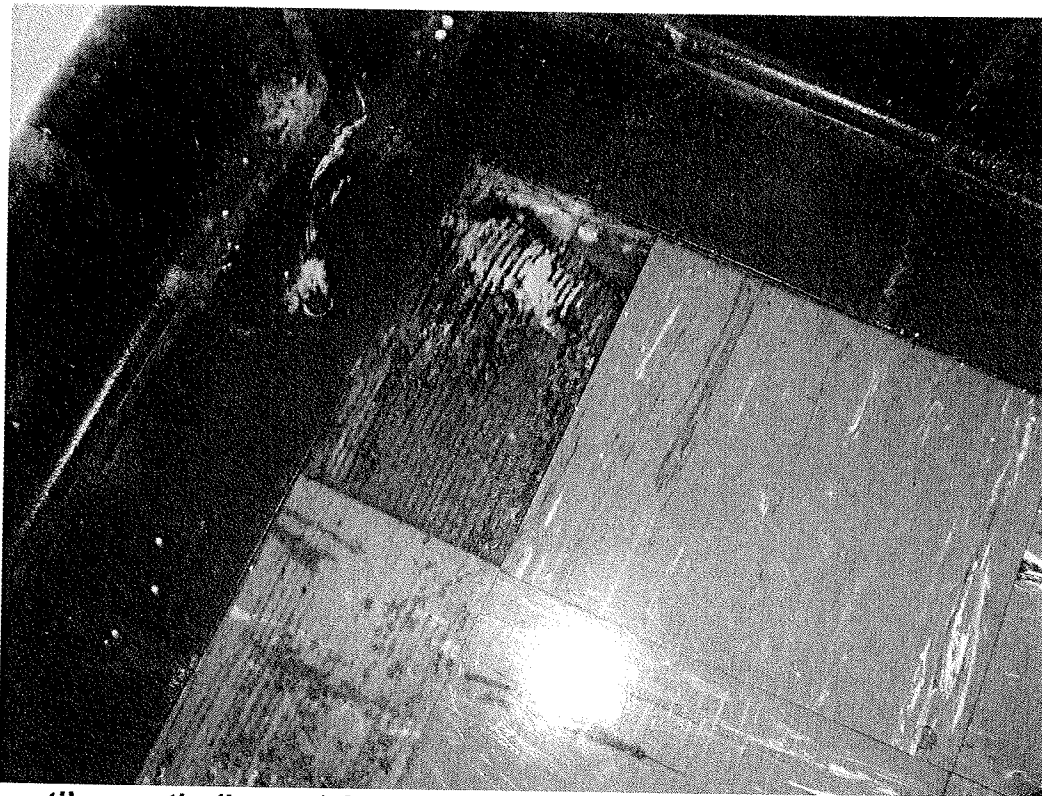
**Floor tile mastic (yellow w/ black traces) for new 12"x12" white w/ gray tiles –
3% Chrysotile**



12"x12" Cream w/ brown and red floor tiles and mastic – 3% and 5% Chrysotile (respectively)



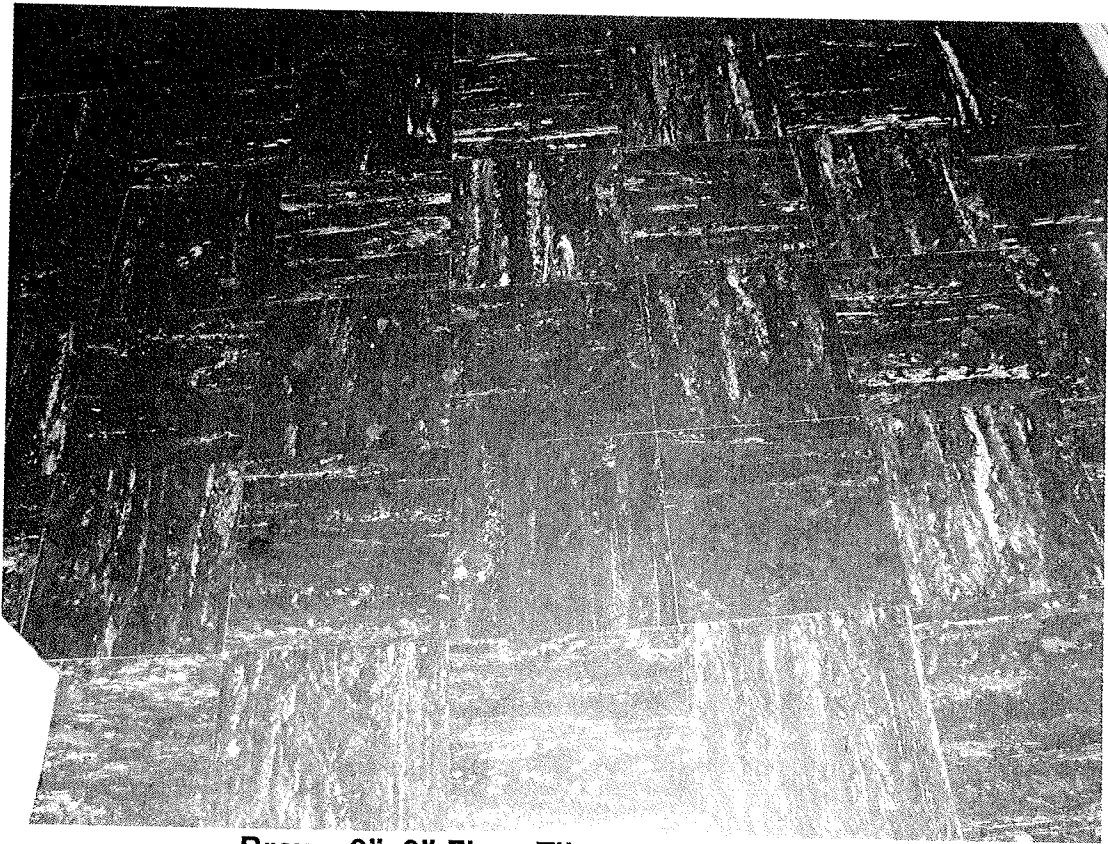
Sink Basin Coating – 5% Chrysotile



Floor tile mastic (brown) for red and faded red 9"x9" Tiles – 2% Chrysotile



Floor tile mastic (brown) for Tan 9"x9" Tiles – 5% Chrysotile



Brown 9"x9" Floor Tiles – 5% Chrysotile

APPENDIX E

PERSONNEL AND LABORATORY

CERTIFICATIONS

NEW YORK STATE - DEPARTMENT OF LABOR

DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Adelaide Environmental Health Associates, Inc.
Suite C24
1511 Route 22
Brewster, NY 10509

FILE NUMBER: 99-0656
LICENSE NUMBER: 29305
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 06/10/2010
EXPIRATION DATE: 07/31/2011

Duly Authorized Representative - John Soter

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
03-31-2011

9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

NUMBER
3333 000266

VIRGINIA ASBESTOS LICENSE
ASBESTOS ANALYTICAL LABORATORY LICENSE

PCM
PLM
TEM

AMERICA SCIENCE TEAM RICHMOND, INC
13635 GENITO ROAD

MIDLOTHIAN, VA 23112



Jay W. DeBoer
Jay W. DeBoer, Director

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COMMONWEALTH OF VIRGINIA

VIRGINIA ASBESTOS LICENSE
ASBESTOS ANALYTICAL LABORATORY
NUMBER: 3333 000266 EXPIRES: 03-31-2011
PCM PLM TEM

AMERICA SCIENCE TEAM RICHMOND, INC
13635 GENITO ROAD

MIDLOTHIAN VA 23112



(FOLD)

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
9960 Mayland Dr., Suite 400, Richmond, VA 23233

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COMMONWEALTH OF VIRGINIA

EXPIRES ON
04-30-2011

9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

NUMBER
3303 003537

VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE

THOMAS P FERRO

PO BOX 35
HALSTEAD, PA 19922



Jay W. DeBoer
Jay W. DeBoer, Director

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33A OSPREY LN**



GARDINER NY 12525

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**JOHN W SOTER
22 JOSH LANE**



DANBURY CT 06811

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COMMONWEALTH OF VIRGINIA

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Telephone: (804) 367-8500

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06-30-2011

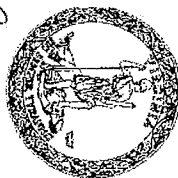
NUMBER

3303 003575

VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE

ROBERT A SEE
15 BOYCE ST

BEACON, NY 12508



Gordon N. Dixon
Gordon N. Dixon, Director

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BEACON NY 12508

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